

09/777858

Sheet 1 of 9

**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

3691-133

SERIAL NO.

To be Assigned

APPLICANT

WANG et al.

FILING DATE

GROUP

(Use several sheets if necessary)

February 7, 2001

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>WPC</i>	5,902,652	5/1999	Collins et al.			
<i>WPC</i>	5,891,536	4/1999	Collins et al.			
<i>WPC</i>	5,855,638	1/1999	Demars			
<i>WPC</i>	5,664,395	9/1997	Collins et al.			
<i>WPC</i>	6,040,564	3/2000	Ueda et al.			
<i>WPC</i>	4,683,154	7/1987	Benson et al.			
<i>WPC</i>	6,037,710	3/2000	Poole et al.			
<i>WPC</i>	6,071,575	6/2000	Collins et al.			
<i>WPC</i>	5,017,252	5/1991	Aldrich et al.			
<i>WPC</i>	5,270,084	12/1993	Parker			
<i>WPC</i>	4,928,448	5/1990	Phillip			
<i>WPC</i>	4,786,344	11/1988	Beuther			
<i>WPC</i>	5,657,607	8/1997	Collins et al.			
<i>WPC</i>	5,897,927	4/1999	Tsai et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>NONE</i>					

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

<i>WPC</i>	Solar Energy Vol. 63, No. 4, pp. 243-249, 1998 "Fabrication of Evacuated Glazing at Low Temperature"
<i>WPC</i>	GRIFITHS et al.
<i>WPC</i>	Solar Energy Vol. 62, no. 3, pp. 189-213, 1998 "Current Status of the Science and Technology of Vacuum Glazing"
<i>WPC</i>	COLLINS et al.
<i>WPC</i>	"Thermal Outgassing of Vacuum Glazing". LENZEN et al., pp. 1-31
<i>WPC</i>	U.S. Patent Appln. Serial No. 09/722,008, filed Nov. 27, 2000
<i>WPC</i>	U.S. Patent Appln. Serial No. 09/670,559 filed September, 27, 2000
<i>WPC</i>	U.S. Patent Appln. Serial No. 09/404,659

\*Examiner *Michael Chelan* Date Considered *2/26/03*

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>WPC</i>	5,315,797	5/1994	Glover et al.			
<i>WPC</i>	3,902,883	9/1975	Bayer			
<i>WPC</i>	3,441,924	4/1969	Peek et al.			
<i>WPC</i>	49,167	1/1865	Stetson			
<i>WPC</i>	1,448,351	3/1923	Kirlin			
<i>WPC</i>	1,774,860	9/1930	Wendler et al.			
<i>WPC</i>	2,011,557	8/1935	Anderegg			
<i>WPC</i>	2,962,409	11/1960	Ludlow et al.			
<i>WPC</i>	3,742,600	7/1973	Lowell			
<i>WPC</i>	3,912,365	10/1975	Lowell			
<i>WPC</i>	3,936,553	2/1976	Rowe			
<i>WPC</i>	4,064,300	12/1977	Bhangu			
<i>WPC</i>	4,130,408	12/1978	Crossland et al.			
<i>WPC</i>	4,130,452	12/1978	Indri			
<i>WPC</i>	4,305,982	12/1981	Hirsch			
<i>WPC</i>	4,514,450	4/1985	Nowobilski et al.			
<i>WPC</i>	4,824,215	4/1989	Joseph et al.			
<i>WPC</i>	4,874,461	10/1989	Sato et al.			
<i>WPC</i>	4,924,243	5/1990	Sato et al.			
<i>WPC</i>	4,983,429	1/1991	Takayanagi et al.			
<i>WPC</i>	5,157,893	10/1992	Benson et al.			
<i>WPC</i>	5,234,738	8/1993	Wolf			
<i>WPC</i>	5,247,764	9/1993	Jeshurun et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		<i>ADONE</i>			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

<i>Michael Cohen</i>	<i>None</i>	Date Considered	2/26/03
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP §69; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.







Sheet 6 of 9

Form PTO-1449				Serial Number (Optional) <u>3691-133</u>		Application Number <u>09/777858</u>	
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)				Applicant <u>Wang et al</u>			
				Filing Date <u>Feb. 7, 2001</u>		Group Art Unit	
<b>U. S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	<u>32272</u>	<u>10/1986</u>	<u>FUNAKI, ET AL.</u>				
<u>WPK</u>	<u>3857161</u>	<u>12/1974</u>	<u>HUTCHINS, IV</u>				
<u>WPK</u>	<u>3959577</u>	<u>5/1976</u>	<u>FRINK</u>				
<u>WPK</u>	<u>4393105</u>	<u>7/1983</u>	<u>KREISMAN</u>				
<u>WPK</u>	<u>4422280</u>	<u>17/1983</u>	<u>MERTIN, ET AL.</u>				
<u>WPK</u>	<u>4486482</u>	<u>12/1984</u>	<u>KOBAYASHI, ET AL.</u>				
<u>WPK</u>	<u>4542611</u>	<u>7/1985</u>	<u>DAY</u>				
<u>WPK</u>	<u>4586289</u>	<u>9/1986</u>	<u>JAEGER</u>				
<u>WPK</u>	<u>4598520</u>	<u>7/1986</u>	<u>ELLSTRUM</u>				
<u>WPK</u>	<u>4681616</u>	<u>7/1987</u>	<u>McMASTER</u>				
<u>WPK</u>	<u>4683154</u>	<u>7/1987</u>	<u>BENSON, ET AL.</u>				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
<u>WPK</u>	<u>9700335</u>	<u>1/1997</u>	<u>PCT</u>				
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
<u>WPK</u>	"Temperature-Induced Stresses in Vacuum Glazing Modelling and Experimental Validation" by Simko, et. al., Solar Energy, Vol. 63, No. 1, pp. 1-21, 1998						
	"Fabrication of Evacuated Glazing at Low Temperature" by Griffiths, et al., Solar Energy, Vol. 63, No. 4, pp. 243-249, 1998						
	"Thermal Outgassing of Vacuum Glazing" by Lenzen, et. al., School of Physics, The University of Sydney, NSW 2006, Australia						
EXAMINER	<u>Michael Colan</u>			DATE CONSIDERED <u>2/26/03</u>			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

Form PTO-1449				Document Number (Optional) <b>3691-133</b>		Apparatus Number <b>09 777858</b>	
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)				Applicant <b>WANG et al.</b>		Group Art Unit	
				Filing Date <b>Feb. 7, 2001</b>			
<b>U. S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
<i>WRC</i>	4 7 8 0 1 6 4	10/1988	RUECKHEIM, ET. AL.	—	—	X	
<i>WRC</i>	4 7 8 6 3 4 4	11/1988	BEUTHEN	—	—		
<i>WRC</i>	4 8 2 2 6 4 9	4/1989	CANAUD, ET. AL.	—	—		
<i>WRC</i>	4 8 5 3 2 6 4	8/1989	VINCENT, ET. AL.	—	—		
<i>WRC</i>	4 8 6 5 6 7 2	9/1989	DELBEEK, ET. AL.	—	—		
<i>WRC</i>	4 8 8 6 0 9 5	11/1989	LISEL	—	—		
<i>WRC</i>	4 8 8 8 0 3 8	11/1989	HERRINGTON, ET. AL.	—	—		
<i>WRC</i>	4 9 0 9 8 7 4	3/1990	RUECKHEIM	—	—		
<i>WRC</i>	4 9 0 9 8 7 5	3/1990	CANAUD, ET. AL.	—	—		
<i>WRC</i>	4 9 2 8 4 4 8	9/1990	PHILIP	—	—		
	5 0 1 7 2 5 2	7/1991	ALDRICH, ET. AL.	—	—		
<b>FOREIGN PATENT DOCUMENTS</b>							
DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
NONE							
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
"Current Status of the Science and Technology of Vacuum Glazing"							
by Collins, et. al. School of Physics, Univ. of Sydney, Sydney, NSW 2006, Australia							
Brochure for "Specialty Solders & Alloys, Technical Information"							
for Indium Corporation of America							
Product Data Sheet for Precision Spheres for BGAs (PGBA, CBGA, and TBGA), Indium Corporation of America							
EXAMINER <i>Michael Chen</i>				DATE CONSIDERED <b>2/26/03</b>			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							







## ATTY. DOCKET NO. 2

SERIAL NO.

APPLICANT

WANG et al.

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**GROUP**

1731

(Use several sheets if necessary)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mpk</i>	6,109,994	8/2000	Cho et al.	<u>        </u>	<u>        </u>	
<div style="transform: rotate(-15deg);"> <b>RECEIVED</b>  FEB 11 2002  <b>TC 1700</b> </div>						

							TRANSLATION	
DOCUMENT		DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
WIP	38 24 129 A1	1/1989	Germany	—	—		X	
WIP	0 420 638 A1	4/1991	EP	—	—	X		
WIP	WO 01/23700	4/2001	WIPO	—	—	X		

		NONE		
*Examiner	Michael Calen	Date Considered	2/25/03	

\*Examiner

Date Considered

2/25/03

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Form PTO-FB-A820 (Also PTO-1449)

## ATTY. DOCKET NO.

3691-133

**APPLICANT**

WANG et al.

FILING DATE

February 7, 2001

SERIAL NO.

09/777,858

GROUP

1731

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

					TRANSLATION	
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		NONE				

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent pages, etc.)

		non	
*Examiner	Michael P. Williams	Date Considered	2/25/03

\*Examiner

Date Considered

2/25/03

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Form PTO-FB-A820 (Also PTO-1449)



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CITATION**

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SERIAL NO.

09/777,858

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## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS					TRANSLATION	
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		NONE				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)	
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*Examiner	<i>Michael Chianini</i>	Date Considered	<i>2/25/03</i>
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Form PTO-FB-A820 (Also PTO-1449)